

## **Emerald Ash Borer Work Plan - Calendar Year 2010**

<b>Cooperator:</b>	Kansas Department of Agriculture		
<b>State:</b>	Kansas		
<b>Project:</b>	Emerald Ash Borer		
<b>Project funding source:</b>	Priority Survey <input type="checkbox"/> State Discretionary Survey <input type="checkbox"/> Other Line Item Pest <input checked="" type="checkbox"/>		
<b>Project Coordinator:</b>	Laurinda Ramonda		
<b>Agreement Number</b>	10-8453-1227-CA		
<b>Contact Information:</b>	<b>Address:</b>	PO Box 19282, Forbes Field, Bldg 282, Topeka, Kansas 66619	
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	<b>Email Address:</b>	laurinda.ramonda@kda.ks.gov	

This Work Plan reflects a cooperative relationship between the Kansas Department of Agriculture (KDA) and the United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ). It outlines the mission-related goals, objectives, and anticipated accomplishments as well as the approach for conducting an Emerald Ash Borer survey and control program and the related roles and responsibilities of the Kansas Department of Agriculture and USDA-APHIS-PPQ as negotiated.

### **I) OBJECTIVES AND NEED FOR ASSISTANCE**

The Emerald Ash Borer (pest of national concern) has been detected in several states in the United States, but is not known to occur in Kansas. Early detection and containment of this pest is of great importance since it can cause the demise of ash trees. The purpose of the survey will be to identify high risk areas, such as forestry debris dump sites, nursery stock, camping sites, military sites and shade tree plantings.

The need to identify the range of this pest is great and without funding the Kansas Department of Agriculture will be unable to participate in the national trapping survey for the Emerald Ash Borer.

### **II) RESULTS OR BENEFITS EXPECTED**

**The Cooperator seeks to conduct a program which is expected to result in:**

1. Early detection and containment of the Emerald Ash Borer, if found.
2. Identification of pathways.

3. Provide the Kansas Department of Agriculture, USDA-APHIS-PPQ, and surrounding states with information regarding the status of this pest.
4. Additional geographic assessment from data gathered.

### **III) APPROACH**

#### **What is the plan of action or approach to the work?**

Purple prism traps with an 80% Manuka oil and 20% Phoebe oil lure with a 50 mg/day release rate will be used. Traps will be set at selected sites in ash trees, preferably on the sunny side (south or southwest) of the tree at 1 trap/1 ½ mile<sup>2</sup>. Lure and extract is good in the field for 60 days. These may need to be replaced once during the flight season. Traps should be checked at least once during the season. A trap inspection should be done during lure replacement.

Any specimens collected should be placed in a vial with 70% ethanol and sent via overnight service to:

Dr. James Zablotny  
USDA, APHIS, PPQ  
11200 Metro Airport Center Drive, Suite 140  
Romulus, MI 48174

Identification of up to 50 high risk sites will be selected. Site selection will be based on ash density in nurseries, sawmills, landscaped areas, forest debris dump sites, urban areas, forest areas, military sites and recreational camping areas.

#### **A. The Cooperator and APHIS Mutually Agree to/that:**

- Set traps in 50 sites (200 taps).
- Share in checking of traps.
- Share in removing traps.
- Split funding as noted in financial plan.

#### **1. What is the quantitative projection of accomplishments to be achieved?**

##### **a. Anticipated accomplishments:**

1. Fact sheets, webpage, resources and pest reporting will be continually updated as new information becomes available or new pests found.
2. Survey data will be entered into NAPIS and ISIS databases.
3. Trapping will occur during April 15, 2010 through September 2010 or by degree day model.

##### **b. Criteria to evaluate the results and successes of the project:**

1. Pest detection survey completed.

2. All data collected from the pest detection survey will be entered into NAPIS and ISIS databases.
3. Maps of the pest detection survey activities are produced to aid in planning of future pest detection surveys, pathway risk analysis and outreach activities.
4. State CAPS and KDA meetings to keep updated on issues.

**c. Methodology used to determine if identified needs are met and results and benefits achieved:**

1. Review of the NAPIS and ISIS database to ensure that data from the pest detection activities have been entered.
2. State CAPS, KDA and SPHD, SPRO, PSS, SSC meetings to keep updated on issues.

**2. Types of data to be collected and how it will be maintained:**

- a. All survey data from cooperative agreements involving pest survey will be entered by the State Survey Coordinator or KDA staff into the NAPIS databases to include but not limited to observation number, observation date, data source, state/county, site code, EPA pest code, pest status and survey method.
- b. All survey data from cooperative agreements involving pest survey will be entered by the State Survey Coordinator or USDA/PPQ/APHIS staff into the ISIS databases to include but not limited to observation number, observation date, data source, state/county, site code, EPA pest code, pest status and survey method.
- c. Complete, accurate and timely pest survey data will be entered into NAPIS and ISIS using approved protocol.

**B. The Cooperator will:**

Trap 25 sites (100 traps) to include areas based on ash density, nurseries, sawmills, landscaped areas, forest debris dump sites, urban areas, forest areas, military sites and camping areas. Increased trapping efforts will be at camping areas.

**1. By function, what work is to be accomplished?**

- Set 100 traps in 25 high risk sites.
- Change lure in traps every 60 days.
- Check traps at least once during season.
- Start setting traps by middle of April, if traps have been received.
- Remove traps by the end of September.
- Enter data into NAPIS and ISIS databases.

**2. What resources are required to perform the work?**

- KDA staff, vehicle, fuel, GPS units, and computers.

**3. What numbers and types of personnel will be needed and what will they be doing?**

- KDA staff will be setting and checking traps.
- Data acquired will be entered into NAPIS by State Survey Coordinator or KDA staff.

**4. What equipment will be needed to perform the work?**

- a. The cooperator will provide GPS units, vehicle and computers.
- b. APHIS will provide traps, lure, spreader and hanger.
- d. Equipment that will be purchased with APHIS funds will be cleaner with mineral spirits, ends for telescoping poles and telescoping poles, if more needed.
- d. The equipment will be used to hang, check, replace lure and remove traps and specimens.
- e. The equipment will be maintained at KDA for other surveys upon the termination of the agreement/project.

**5. Identify information technology equipment, e.g., computers, and their ancillary components.**

- GPS units to document locations
- KDA computers with internet to enter data
- Digital cameras

**6. What supplies will be needed to perform the work**

**a. What supplies will be provided by the Cooperator?**

- GPS units
- Computers
- Digital cameras
- Telescoping poles

**b. What supplies will be provided by APHIS?**

- Traps
- Lures
- Spreaders
- Hangers

**c. What supplies will be purchased in whole or in part with APHIS funds?**

- Cleaner with mineral spirits.
- Telescoping poles and ends, if more needed.

- Histoclear II, if more needed.
- d. How will the supplies be used?**
- Surveying for Emerald Ash Borer
- e. What is the proposed method of disposition of the supplies with a cumulative value over \$5,000 upon termination of the agreement/project?**
- N/A
- 7. What procurements will be made in support of the funded project and what is the method of procurement (e.g., lease, purchase)?**
- Supplies for support in trapping.
  - Most procurements will be made by purchase.
  - These will be purchased through the KDA fiscal department.
- 8. What are the travel needs for the project?**
- Travel will be required to survey sites by use of a KDA or rental vehicle. The KDA Plant Protection and Weed Control Plant Program Manager is the approving official. Costs are included in the financial plan.
- 9. Reports:**
- a.** Submit all reports to the APHIS Authorized Department Officer's Designated Representative (ADODR). Reports include:
    - 1.** Narrative accomplishment reports in the frequency and time frame specified in the Notice of Award, Article 4.
    - 2.** Financial Status Reports, SF-269, in the frequency and time frame specified in the Notice of Award, Article 4.
- 10. Are there any other contributing parties who will be working on the project?**
- a.** List Participating Agency/Institution: KDA, USDA/PPQ/APHIS, Kansas Forestry, Kansas Wildlife and Parks, Corp of Engineers
  - b.** List all who will work on the project: KDA, USDA/PPQ/APHIS, Kansas Forestry
  - c.** Describe the nature of their effort: Trapping, site selection and outreach
  - d.** Contribution: Site selection, outreach, setting traps, checking traps and removal of traps.

**C. APHIS Will:**

Trap 25 sites (100 traps) such as military installations, race tracks pallet remanufacturing, camping areas and forest debris dump sites.

**1. What equipment will be needed to perform the work?** Include major items of equipment with a value of \$5,000 or more.

- Vehicle
- GPS units
- Computers

**a. Will Equipment be loaned or provided by APHIS? Yes**  
Yes, please list:

- Vehicle will be used by APHIS personnel
- GPS units will be used by APHIS personnel
- Computers will be used by APHIS personnel

**b. How will the equipment be used?**

- To set, check and remove traps
- To locate traps
- To enter data

#### **IV) GEOGRAPHIC LOCATION OF PROJECT**

**A. Is the project statewide or in specific counties, townships, and/or national or state parks?**

The majority of trapping will take place in the eastern half of Kansas. Emphasis will be placed on higher risk areas of entry into the state for the Emerald Ash Borer.

Identification of up to 50 high risk sites will be selected. Site selection will be based on ash density, nurseries, sawmills, landscaped areas, forest debris dump sites, urban areas, forest areas, military sites and camping areas. More emphasis will be placed on camping areas.

**B. What type of terrain (e.g., cropland, rangeland, woodland) will be involved in the project?**

Many types of terrain will be involved from forests, to rural, to urban areas.

**C. Are there any unusual features which may have an impact on the project or activity such as rivers, lakes, wild life sanctuaries, commercial beekeepers etc?**

Urban and recreational areas might have disruption through human contact.

**D. Identify the kind of data to be collected:**

The kinds of data to be collected will include, but not limited to, observation number, observation date, data source, state/county, site code, pest code, pest status and survey method.

**E. Criteria to evaluate the results and successes of the project:**

All survey data including GPS survey coordinates will be entered into NAPIS and ISIS databases. Survey data includes but not limited to date trap was set, when it was checked

and picked up, county and any problems. Pests will be checked and verified by Dr. James Zablotny, USDA, APHIS, PPQ.

**F. Methodology used to determine if the results and benefits are achieved:**

- Review of the state survey database and NAPIS database to ensure that data from the pest detection activities have been entered.
- State CAPS, KDA and SPHD, SPRO, PSS, SSC meetings to keep updated on issues.

**V) DATA COLLECTION AND MAINTENANCE**

1. All survey data from cooperative agreements involving pest survey will be entered by the State Survey Coordinator or KDA staff into the NAPIS databases to include but not limited to observation number, observation date, data source, state/county, site code, EPA pest code, pest status and survey method.
2. All survey data from cooperative agreements involving pest survey will be entered by the State Survey Coordinator or USDA/PPQ/APHIS staff into the ISIS databases to include but not limited to observation number, observation date, data source, state/county, site code, EPA pest code, pest status and survey method.
3. Complete, accurate and timely pest survey data will be entered into NAPIS and ISIS using approved protocol. The data entry requirements are:
  - Enter new national, state and county records into NAPIS database within 48 hours of confirmation of a pest or pathogen identification by a recognized identifier.
  - Non-time sensitive records, including negative data, must be entered into NAPIS within 2 weeks of confirmation.
  - Negative data should be entered within 2 weeks of decommissioning a trap, obtaining the results from an identifier, or performing a laboratory assay.
  - Survey data will be collected with GPS technology for internal pathway analyses. Survey maps will be developed from approved GIS mapping software.

For ISIS, the following should be added to the above.

- Survey data and diagnostic results will be entered into the national Integrated Survey Information System (ISIS) database as close to real time as possible, including both positive and negative results.
- All data elements will be provided nationally and will be entered into ISIS.
- Data management processes and information will be provided nationally.

**VI) TAXONOMIC SUPPORT**

**Person or Institution that will screen targets:**

Dr. James Zablotny  
USDA, APHIS, PPQ

11200 Metro Airport Center Drive, Suite 140  
Romulus, MI 48174

Phone: 734-942-9005  
E-mail: [james.e.zablotny@aphis.usda.gov](mailto:james.e.zablotny@aphis.usda.gov)

**VII) SIGNATURES**

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<b>ROAR</b>	<b>Date</b>	<b>ADODR</b>	<b>Date</b>



## Detailed Financial Plan - KDA

**PROJECT:** Emerald Ash Borer Survey

**COOPERATOR NAME:** Kansas Department of Agriculture

**AGREEMENT NUMBER:** 10-8453-1227-CA

**TIME PERIOD:** April through September 2010

Financial Plan must match the SF-424A, Section B, Budget Categories

ITEM	APHIS FUNDS	COOPERATOR FUNDS (Show even if zero)	TOTAL
<b>PERSONNEL:</b>			
State Specialist 100 hours @ \$35/hr	\$3,500	0	\$3,500
State Specialist 400 hours @ \$35/hr	0	\$14,000	\$14,000
<b>Subtotal</b>	<b>\$3,500</b>	<b>\$14,000</b>	<b>\$17,500</b>
<b>FRINGE BENEFITS:</b>			
22% of salary for permanent employees	\$770	\$3,080	\$3,850
<b>Subtotal</b>	<b>\$770</b>	<b>\$3,080</b>	<b>\$3,850</b>
<b>TRAVEL:</b>			
KDA staff 1,556 miles @ \$0.55/mile	\$856	0	\$856
Vehicle rental for 3 weeks @ \$300/week- pickup truck rental for use for trapping**	\$900	0	\$900
<b>Subtotal</b>	<b>\$1,756</b>	<b>0</b>	<b>\$1,756</b>
<b>EQUIPMENT:</b>			
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>SUPPLIES:</b>			
mineral spirits, telescoping poles and ends	\$50	0	\$50
Fuel 3,600 miles/15mpg x \$4.00 per gallon for rental vehicle**	\$960	0	\$960
<b>Subtotal</b>	<b>\$1,010</b>	<b>0</b>	<b>\$1,010</b>
<b>CONTRACTUAL:</b>			
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>OTHER:</b>			
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL DIRECT COSTS</b>	<b>\$7,036</b>	<b>\$17,080</b>	<b>\$24,116</b>
<b>INDIRECT COSTS</b> (22.58% on Total Direct Cost of salary and fringe benefits)*	<b>\$964</b>	<b>\$3,857</b>	<b>\$4,821</b>
<b>TOTAL</b>	<b>\$8,000</b>	<b>\$20,937</b>	<b>\$28,937</b>

Cost Share Information	28%	72%	
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\*Kansas' Negotiated Cost Rate (Salary + Fringe Benefits x %=Indirect Cost)

\*\* There is a shortage of state vehicles. We give the option of renting a vehicle or using personally owned vehicles. If renting we pay for the fuel and if a personal vehicle is used we pay mileage.